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NUMBERS. SEE ALSO:

<http://www.stn-international.de/archive/stnews/news0104.pdf> <<<

=> file jicst

FILE 'JICST-EPLUS' ENTERED AT 12:28:58 ON 21 JUN 2004

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FILE COVERS 1985 TO 14 JUN 2004 (20040614/ED)

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=> file japio

FILE 'JAPIO' ENTERED AT 12:29:03 ON 21 JUN 2004

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FILE LAST UPDATED: 11 JUN 2004 <20040611/UP>

FILE COVERS APR 1973 TO FEBRUARY 26, 2004

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=> file compendex

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FILE COVERS 1970 TO DATE.

<<< SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN  
THE BASIC INDEX >>>

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L4	20303	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	CAPILLARY? (4A) ELECTROPHORE?
L5	251094	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	ELECTROPHORE?
L6	782	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	TUBE? (4A) ELECTROPHORE?
L7	251094	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	(L4 OR L5 OR L6)
L8	20742	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	L7 (5A) (TUBE OR CAPILLARY)
L9	23266	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	L7 (L) (TUBE OR CAPILLARY)
L10	23266	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	L8 OR L9
L11	343	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	CHANNEL? (4A) ELECTROPHORE?
L13	23427	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	L11 OR L10
L14	41	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	BREAK AND L13
L15	45	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	APERTURE? AND L13
L17	27	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	FRACTURE? AND L13
L18	84	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	HOLE? AND L13
L19	82	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	OPENING? AND L13

- L49 ANSWER 5 OF 32 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Parallel delivery of agents to surface and cytoplasm of cell structure, by forming pores in cell membrane by electroporation, and transporting agent in electrolyte-filled tubes through the pores into cytoplasm.
- L49 ANSWER 6 OF 32 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN  
TI **Electrophoresis** apparatus for separating analytes in a sample, e.g. proteins and nucleic acids, comprises an **electrophoresis** chamber such as a **tube** containing an interior heat sink formed by **capillaries** and a separation chamber.
- L49 ANSWER 7 OF 32 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Multiplexed **capillary electrophoresis** system for chiral separation, has bundle of **capillary tubes**, power source, light source, photodetector, thermally insulated enclosure, and first and second heat transfer mechanisms.
- L49 ANSWER 8 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Electrophoresis apparatus for simultaneous loading of multiple samples
- L49 ANSWER 9 OF 32 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Capillary array device for separating and analyzing sample, e.g. DNA or protein, includes capillaries, window unit, capillary head, and load header including holder, hollow electrodes, and conductive connection plate.
- L49 ANSWER 10 OF 32 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN  
TI A **capillary array electrophoresis** apparatus useful for separating and analyzing DNA, a protein or other sample, comprises a connection between its electrodes and a connection plate for supplying a high voltage.
- L49 ANSWER 11 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN  
TI **Design** and performance of a microchip electrophoresis instrument with sensitive variable-wavelength fluorescence detection
- L49 ANSWER 12 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN  
TI A high-throughput continuous sample introduction interface for microfluidic chip-based **capillary electrophoresis** systems
- L49 ANSWER 13 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 2  
TI Evolution of solution chemistry through interactions with waste package internal structural components
- L49 ANSWER 14 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Integrated microfluidic disc for sequential nucleic acid template purification and thermocycling reaction and product purification
- L49 ANSWER 15 OF 32 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN  
TI End element fitted with permeable membrane for **capillaries** or

chip channels to use in capillary electrophoretic or liquid chromatographic methods, has improved packing retention without sintering or electrical charging, and throughput.

- L49 ANSWER 16 OF 32 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Electrospray device for chromatographic separation, comprises substrate having injection and ejection surfaces containing inlet and exit orifice respectively, separation material and electric field generating source.
- L49 ANSWER 17 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Design and performance of a universal sheathless capillary electrophoresis to mass spectrometry interface using a split-flow technique
- L49 ANSWER 18 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Oxidation of flavanol by a copper complex with relevance to quercetin dioxygenase
- L49 ANSWER 19 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 3  
TI PLZT-based electro-optic modules for micromachined biophotonics systems
- L49 ANSWER 20 OF 32 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Microfluidic devices coupled by bonded capillaries to instruments such as mass spectrometer for rapid identification of target analytes.
- L49 ANSWER 21 OF 32 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Electrophoretic apparatus useful in electrochemical detection.
- L49 ANSWER 22 OF 32 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Apparatus for investigation of cells, vesicles, other biological organelles or parts - enables electrophoretic movement of entities under examination and measurements with high signal to noise ratio..
- L49 ANSWER 23 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Generating Electrospray from Microchip Devices Using Electroosmotic Pumping
- L49 ANSWER 24 OF 32 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Irrigation control system for plant nursery - uses ionisation analysis to control mix of reused and fresh water.
- L49 ANSWER 25 OF 32 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Coupling for joining capillary to separation instrument for chemical and biological samples - has body with tapered cavity within which capillary is secured with epoxy adhesive so its end is adjacent an outlet of same outer dimension.
- L49 ANSWER 26 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Computational simulation of migration and dispersion in free capillary zone electrophoresis. I. Description of the theoretical model

L49 ANSWER 27 OF 32 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN *Maybe*  
TI Electrophoretic separator for ~~chemical~~ analysis or reaction product concentrate  
- has electrical field provided ~~along~~ successive channel sections forming  
closed loop by electrodes adjacent entry and exit **openings**.

L49 ANSWER 28 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Collinear laser-induced fluorescence detector for **capillary**  
**electrophoresis**. Analysis of glutamic acid in brain dialyzates

L49 ANSWER 29 OF 32 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN  
TI **Capillary electrophoresis** grounding joint production - by  
scoring elongated **electrophoretic capillary**  
**tube** in area near its ends, placing sleeve of ion-permeable  
material over scored area, and fracturing **tube** at scored area.

L49 ANSWER 30 OF 32 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Apparatus for preparative gel **electrophoresis** in - where  
emerging solids are drawn into narrow transfer ~~tube~~ through  
collar fitting over column end and securing porous plate.

L49 ANSWER 31 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Decoloration apparatus for use in discontinuous ~~electrophoresis~~

L49 ANSWER 32 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Apparatus for high-voltage paper electrophoresis

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YOU HAVE REQUESTED DATA FROM FILE 'CAPLUS, WPIX' - CONTINUE? (Y)/N:y

L49 ANSWER 1 OF 32 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN  
AN 2004-144093 [14] WPIX  
DNN N2004-114892 DNC C2004-058071  
TI Electric field emission device having triode structure fabricated by  
anodic oxidation process, comprises gate insulating layer, gate electrode  
layer, and alumina layer having first, second, and third sub-micro  
**holes**, respectively.

DC L03 U11 U12 V05  
IN HWANG, S G; JUNG, S H; LEE, G H; HWANG, S; JEONG, S; LEE, K  
PA (POST-N) POSTECH FOUND  
CYC 105  
PI WO 2004012218 A1 20040205 (200414)\* EN 30 H01J001-30  
RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS  
LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW  
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK  
DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL  
PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN  
YU ZA ZM ZW